

2022 Hybrid Corn Test Results: South Region (32,000 ppa)

Company	Name	IST	GT ²	HT ³	Relative Maturity	Regional Results ⁴		Belleville		Elkville		2-yr Avg. bu/a	3-yr Avg. bu/a
						Yield bu/a	Moisture %	Yield bu/a	Moisture %	Yield bu/a	Moisture %		
Early Maturity													
AgVenture	AV6010AM	M	C2	B	110	246	16.4	266	17.3	227	15.4		
NuTech	70A8AM	M	C2	B	110	237	16.0	267	16.5	208	15.4	235	
Dekalb	DKC59-82RIB	H	C2	G	109	225	17.2	219	17.7	232	16.6		
AgVenture	AV9610AM	M	C2	B	110	211	15.3	205	16.1	216	14.5	225	
Jacobsen	7513	M	C	G	108	205	15.8	215	16.8	194	14.7		
	Average					225	16.1	234	16.9	215	15.3		
	L.S.D 25% Level					30	0.4	13	1.7	9	0.9		
	CV (%)					17	3.4	5	10.0	4	5.5		
Any Maturity													
Stone Seed	1812DP	M	C2	L2	G	118	266	23.2	275	24.5	258	21.9	252
NuTech	72D4AM	M	C2	B	112	259	17.0	269	18.6	250	15.5	252	
NuTech	74C4AM	M	C2	B	114	258	16.9	272	18.3	245	15.4		
NuTech	70B4AM	M	C2	B	110	258	16.3	272	17.1	243	15.6		
Dekalb	DKC64-22RIB	H	C2	G	114	256	18.2	274	19.0	239	17.5		
Pioneer	P1222AM	M	C2	B	112	256	16.6	275	18.6	237	15.0		
AgVenture	AV9412AM	M	C2	B	112	254	17.0	277	17.5	232	16.4		
Stone Seed	6542RIB	M	C2	L3	G	115	254	20.8	267	21.3	240	20.2	247
Burrus	7F33 VT2P	M	C2	G	114	253	20.1	276	20.9	231	19.4		
Dekalb	DKC111-35RIB	H	C2	G	111	253	17.8	272	18.7	234	16.8		
Channel	217-01VT2PRIB	M	C2	G	117	253	18.7	254	20.1	251	17.3		
Channel	210-46VT2PRIB	M	C2	G	110	252	17.0	272	17.5	232	16.6	253	
Stone Seed	1132TRE	M	C2	L3	G	111	252	17.2	261	19.0	243	15.3	252
Channel	214-78DGV2PRIB	M	C2	G	114	251	19.5	282	19.8	220	19.1	245	245
Dekalb	DKC62-70RIB	H	C2	G	112	251	19.2	255	20.1	247	18.4	247	
AgVenture	AV3917AML	M	C2	L	B	117	250	20.3	279	20.9	221	19.6	242
Dyna-Gro	D50VC09	H	C	R	B	110	250	17.2	262	18.4	238	16.1	
Stone Seed	1403TRE	M	C2	L3	G	114	249	20.0	265	21.0	234	19.1	
Power Plus	6W81 AM	M	C2	B	113	249	17.4	262	19.1	237	15.8		
Pioneer	P1359AM	M	C2	B	113	249	17.3	278	18.0	219	16.5	241	
AgVenture	AV3715AM	M	C2	B	115	248	19.0	262	20.5	234	17.6	243	
Dyna-Gro	D52DC82	H	C	G	112	248	16.8	265	17.8	231	15.8		
Dekalb	DKC66-06RIB	H	C2	R2	L2	B	116	248	19.2	268	20.3	227	18.1
NuTech	74B6AM	M	C2	B	114	247	18.1	263	18.8	231	17.4	243	239
Dekalb	DKC66-18RIB	H	C2	G	116	246	18.5	251	20.4	242	16.5	238	234
Dekalb	DKC67-94RIB	H	C2	R2	L2	B	117	246	20.4	259	22.0	233	243
AgVenture	AV7913AM	M	C2	B	113	245	17.7	270	18.8	220	16.7		
NuTech	73A6Q	M	C2	R2	B	113	244	18.1	277	18.6	211	17.5	
AgVenture	AV6612AM	M	C2	B	112	244	17.0	265	17.2	222	16.7		
Channel	218-44VT2PRIB	M	C2	G	118	243	20.3	262	21.0	225	19.6	237	236
Jacobsen	7736	M	C	G	112	242	19.4	269	20.0	216	18.8		
Channel	211-11VT2PRIB	M	C2	G	111	242	16.3	265	18.0	219	14.5		
AgVenture	AV4313AM	M	C2	B	113	242	18.0	256	19.3	227	16.7	241	241
Pioneer	P1185AM	M	C2	B	111	242	16.1	256	16.8	227	15.4	236	
Dyna-Gro	D55VC80	H	C	G	115	241	19.4	262	20.1	220	18.6		
Sun Prairie Seeds	SP3077	M	C2	R2	B	116	239	19.8	259	20.1	220	19.4	
Whisnand	303VT2P	L	C2	G	115	238	18.8	269	18.8	207	18.8	233	
AgVenture	AV9916AM	M	C2	B	116	237	19.1	269	19.8	205	18.3	228	
Jacobsen	7607	M	C	G	110	237	17.2	244	18.3	230	16.1		
Dekalb	DKC65-95RIB	H	C2	G	115	234	19.4	235	20.3	234	18.5	232	231
Dyna-Gro	D54VC34	H	C	G	114	234	18.1	249	18.9	219	17.3		
Jacobsen	7832	M	C	G	116	234	20.0	263	20.4	204	19.7		
NuTech	68A9AM	M	C2	B	108	233	16.0	268	16.9	199	15.0		
NuTech	74A9AM	M	C2	B	114	233	20.3	258	20.7	208	19.8		
AgVenture	AV5214AM	M	C2	B	114	232	18.8	272	18.8	191	18.9	233	
NuTech	77A5AM	M	C2	B	117	232	18.7	282	19.2	181	18.2	229	
NuTech	72A5Q	M	C2	R2	B	112	228	15.6	246	16.5	211	14.7	
Whisnand	305SS	L	C2	R	G	114	227	16.1	243	16.8	210	15.4	
Jacobsen	7748	M	C	G	114	226	19.7	234	19.7	218	19.6		
Whisnand	304SS	L	C2	R	G	112	221	18.0	232	18.3	211	17.6	223
NuTech	72D4Q	M	C2	R2	B	112	215	17.1	234	18.5	196	15.6	
Jacobsen	7513	M	C	G	108	211	16.5	218	17.4	204	15.6		
	Average					240	17.9	256	18.9	223	17.0		
	L.S.D 25% Level					19	0.8	11	1.0	11	0.9		
	CV (%)					12	7.2	4	5.6	5.2	5.7		

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

⁴The St. Peter locations was not used due to unexplained variation in the data.

Location	St Peter	Belleville	Elkville
County	Fayette	St. Clair	Jackson
Site Location	Click to see map	Click to see map	Click to see map
Host	Russ Schwarm	David and Dan Tiedemar	John and Trent Funk
Soil type	Hoyleton silt loam	Caseyville silt loam	Cisne silt loam
Planting date	May 13, 2022	May 13, 2022	May 13, 2022
Harvest date	October 6, 2022	October 6, 2022	October 6, 2022
Nitrogen applied	100 lbs. as PPI UAN	190 lbs as PPI NH3	200 lbs as PPI NH3

Pesticides

PRE	Verdict, Roundup	Accuron, Atrazine	Acuron, Princep
POST	Ladus, Atrazine	Impact	Impact
Fungicide	Trivapro	Trivapro	Trivapro

Tillage

Spring	Vertical Till	Field cultivator	Field cultivator
Fall	Vertical Till	None	Chisel
Latitude	38.90450884	38.53345218	37.96253966
Longitude	-88.86686459	-89.89438565	-89.09025876

RainFall

April	3.3	3.8	4.8
May	5.7	6.7	2.8
June	2.0	2.2	1.9
July	11.4	12.6	5.4
August	4.2	2.6	5.9
September	3.1	3.4	1.8
Total	29.7	31.3	22.6